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EMC DES-5121

Version Demo

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QUESTION NO: 1 - (DRAG DROP)

DRAG DROP

What is the typical sequence of steps to upgrade the firmware of a Dell EMC N-Series switch?

Select and Place:

Copy the firmware image from the TFTP server to the switch	Step 1
Configure and start the TFTP server	Step 2
Update the boot code on the switch and reboot	Step 3
Backup the running-config to a TFTP server	Step 4
Select the new image for the next boot	Step 5

ANSWER:

Copy the firmware image from the TFTP server to the switch	Configure and start the TFTP server
Configure and start the TFTP server	Backup the running-config to a TFTP server
Update the boot code on the switch and reboot	Copy the firmware image from the TFTP server to the switch
Backup the running-config to a TFTP server	Select the new image for the next boot
Select the new image for the next boot	Update the boot code on the switch and reboot

Explanation:

QUESTION NO: 2

A network administrator has configured a 4-port port-channel between two Dell EMC Campus networking switches. The physical interfaces show as administratively up and operationally up on both switches. However, the port-channel shows as operationally up on Switch A and operationally down on Switch B.

What is a potential reason for the inconsistent port-channel state?

- A. Switch A is configured to use dynamic port-channels and Switch B is configured to use static port-channels
- B. Ports in the port-channel on Switch A are all the same speed but the ports in the port-channel on Switch B are a mix of speeds
- C. Switch A is configured using channel-group # mode on and Switch B is configured using channel-group # mode auto
- D. N-Series supports a maximum number of physical interfaces that can be included in port-channels on a per-device basis

ANSWER: C

QUESTION NO: 3

Which port security method converts existing dynamically learned MAC addresses on an interface to this mode and not age out?

- A. Static
- B. MAC address
- C. Sticky
- D. Dynamic

ANSWER: D

Explanation:

Reference: <https://www.dell.com/support/manuals/us/en/04/networking-s4148f-on/smartfabric-os-user-guide-10-5-1/port-security?guid=guid-c27a9d47-ea59-48cc-b19d-90a9f6d52629&lang=enus>

QUESTION NO: 4

Which packet characteristics can policy-based routing be configured to match against?

- A. TTL, TCP Port, and L3 Packet Length
- B. L3 Packet Length, TTL, and 802.1p Priority

- C. TCP Port, L3 Packet Length, and 802.1p Priority
- D. TCP Port, TTL, and 802.1p Priority

ANSWER: C

QUESTION NO: 5

Which interface on a Dell EMC N-Series switch provides the most security for management?

- A. VLAN
- B. Ethernet
- C. Loopback
- D. Out-of-band

ANSWER: D

QUESTION NO: 6

Which commands should a network administrator use to configure a RADIUS server on a Dell EMC N-Series switch?

- A. Switch-1(config)# radius 10.1.1.111
Switch-1(config-radius)# name RADIUS-Server
Switch-1(config-radius)# key secretkey
- B. Switch-1(config)# radius server auth 10.1.1.111
Switch-1(config-radius)# name RADIUS-Server
Switch-1(config-radius)# key "secretkey"
- C. Switch-1(config)# radius auth 10.1.1.111
Switch-1(config-radius)# name "RADIUS-Server"
Switch-1(config-radius)# key "secretKey"
- D. Switch-1(config)# radius auth server 10.1.1.111
Switch-1(config-radius)# name RADIUS-Server
Switch-1(config-radius)# key "secretKey"

ANSWER: B

QUESTION NO: 7

Which spanning tree feature will prevent unnecessary timeouts from DHCP servers?

- A. PortFast
- B. Loop Guard
- C. BPDU Flooding
- D. Root Guard

ANSWER: A

Explanation:

Reference: <https://www.dell.com/community/Networking-General/Advice-on-basic-STP-and-network-design/td-p/4434346>

QUESTION NO: 8

A network administrator is setting up several stacks in their network that includes different Dell EMC N-Series models.

Which N-Series switch models require mini-SAS stacking cables?

- A. N1100 and N1500
- B. N1500 and N3000
- C. N2000 and N3000
- D. N3000 and N4000

ANSWER: C

Explanation:

Reference: <https://cdn.cnetcontent.com/syndication/mediaserverredirect/c1ddae5629f69c40c5da9c0d36cb045f/original.pdf>

QUESTION NO: 9

In a PoE environment, what information does the Network Policy TLV exchange between the PSE and PD?

- A. Required Power, VLAN ID, and DSCP Value
- B. VLAN ID, IEEE Priority, and DSCP Value
- C. IEEE Priority, Required Power, and VLAN ID
- D. DSCP Value, Required Power, and IEEE Priority

ANSWER: B

Explanation:

Reference: http://ftp.dell.com/manuals/all-products/esuprt_ser_stor_net/esuprt_networking/poweredge-m-io-aggregator_Concept-Guide4_en-us.pdf page 162

QUESTION NO: 10

N4032F#show interfaces status

Port	Description	Duplex	Speed	Neg	Link State	Flow Ctrl	M	VLAN
Te1/0/5		Full	100	Off	Up	On	A	1
Te1/0/6		Full	1000	Off	Up	Off	A	1

Port Channel	Description	Link State	M	VLAN
Po1		Up	A	1

N4032F#show interfaces port-channel 1

Channel	Ports	Ch-Type	Hash Type	Min-Links	Local Prf	Rx Util	Tx Util
Po1	Active: Te1/0/5 Inactive: Te1/0/6	Dynamic	7	1	Disabled	0	0

Hash Algorithm Type

- 1 - Source MAC, VLAN, EtherType, source module and port Id
- 2 - Destination MAC, VLAN, EtherType, source module and port Id
- 3 - Source IP and source TCP/UDP port
- 4 - Destination IP and destination TCP/UDP port
- 5 - Source/Destination MAC, VLAN, EtherType, source MODID/port
- 6 - Source/Destination IP and source/destination TCP/UDP port
- 7 - Enhanced hashing mode

N4032F#

A Dell EMC N-Series switch has been configured with a 2-member port-channel; however, only one link is currently active.

Based on the exhibit, why is only one link active?

- A. Minimum links value for Po1 is set to "1"
- B. Hash algorithm is configured for active-passive
- C. Te1/0/6 interface is administratively disabled

D. Speed setting is different between ports

ANSWER: D